MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1932

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

DECEMBER 1932
METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm+...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	67.6	66.0	66.2	66.6	17.1	10.9	14.8	16.6	14.3	15.2
2	7.8	7.5	8.9	8.1	17.1	12.3	15.4	16.3	13.7	15.1
3	71.1	9.4	9.6	70.0	17.8	12.2	15.6	17.1	13.7	15.5
4	69.3	6.7	6.3	67.4	17.8	12.2	16.6	17.1	14.7	16.1
5	5.9	3.9	3.7	4.5	20.3	14.6	16.6	18.5	15.7	17.0
6	63.0	61.4	62.0	62.1	20.2	14.4	17.1	18.5	17.9	17.8
7	2.6	1.9	3.2	2.6	20.2	16.0	18.6	19.8	16.7	18.4
8	5.2	4.5	6.8	5.5	19.5	15.0	17.7	18.6	17.0	17.8
9	6.8	5.7	5.6	6.0	21.0	15.3	18.4	19.9	19.9	19.4
10	4.4	2.6	2.7	3.2	21.1	18.2	20.7	21.2	18.1	19.7
11	63.5	62.9	63.3	63.2	21.1	16.8	19.2	20.4	17.1	18.9
12	3.3	1.9	3.1	2.8	19.9	15.1	17.7	19.5	16.5	17.9
13	4.5	4.3	7.0	5.3	18.8	14.6	16.8	18.3	15.3	16.8
14	7.4	6.6	7.5	7.2	17.1	12.9	14.5	16.2	15.4	15.4
15	8.6	7.6	8.7	8.3	17.8	12.6	15.4	16.6	15.5	15.8
16	69.7	68.6	68.5	68.3	16.9	11.1	13.8	15.5	14.2	14.5
17	6.9	4.4	4.5	5.3	15.1	10.1	12.7	14.4	12.6	13.2
18	3.4	2.7	3.1	3.1	14.9	9.9	13.1	14.8	11.5	13.1
19	4.0	3.3	4.5	3.4	14.9	9.9	12.2	14.7	10.9	12.6
20	5.6	4.4	5.5	5.2	14.9	10.0	12.5	14.6	12.7	13.2
21	66.3	65.8	66.6	66.2	15.4	10.0	13.1	15.3	11.6	13.3
22	8.2	7.7	8.2	8.0	15.3	10.0	13.2	14.4	12.6	13.4
23	7.4	5.5	5.4	6.1	16.3	11.3	14.4	13.9	13.9	14.1
24	5.4	5.3	6.3	5.7	15.7	11.6	13.7	14.7	11.5	13.3
25	6.2	5.6	5.3	5.7	17.9	11.1	13.7	14.9	12.2	13.6
26	64.5	64.4	62.5	63.8	14.8	11.2	13.2	13.8	13.3	13.4
27	8.2	6.7	7.4	7.4	14.0	8.4	11.8	13.9	11.3	12.3
28	6.8	4.6	5.1	5.5	14.6	9.1	11.7	14.3	11.8	12.6
29	8.0	8.0	9.6	8.5	13.8	8.2	9.4	11.7	9.4	10.2
30	9.6	7.7	7.9	8.4	13.4	8.3	10.9	13.3	9.9	11.4
31	7.2	5.9	6.1	6.4	15.2	9.4	12.1	3.6	12.6	12.8
	766.40	765.27	765.84	765.81	17.10	12.02	14.72	16.21	13.97	14.96

Barometer, Range for month 761.4—771.1 m.m.
,, 50-yr. average for month 763.285 m.m.
Thermometer, Range for month 8.°2C.—22.1° C.
,, 50-yr. average for month 15°.90 C.
Rain, Total for month 11.56 m.m.
,, , 50-yr average for month 190.75 m.m.
,, , total Sept. 1st to end of month 103.54 m.m.
,, , 50-yr. average, Sept. 1st to end of month 385.83 m.m

DECEMBER 1932
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8.30	14.30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	10.0	11.7	9.9	6.8	7.7	7.0	7.2	55	54	58	56	9.6	
2	10.5	9.9	8.9	7.1	6.3	6.3	6.6	55	46	54	50	9.5	
3	10.7	10.3	10.4	7.1	6.3	7.7	7.0	55	44	66	55	9.5	
4	13.2	13.2	12.2	9.4	9.1	9.1	9.2	67	64	73	68	7.5	
5	10.1	14.4	11.1	6.3	9.6	7.5	7.8	44	60	57	54	4.2	*
6	11.8	15.5	14.8	7.6	11.2	10.6	9.8	53	71	69	64	1.4	
7	15.3	16.3	14.1	10.5	11.5	10.3	10.8	68	67	74	70	7.5	
8	14.9	16.0	13.7	11.0	12.0	9.8	10.9	71	75	69	72	8.8	
9	15.4	14.2	14.1	11.1	8.9	8.8	9.6	72	51	51	58	8.7	
10	16.8	17.7	16.2	11.7	12.7	12.5	12.3	64	69	81	71	7.6	
11	15.0	17.6	15.9	10.2	12.9	12.6	11.9	62	72	88	74	8.2	
12	15.4	17.3	15.5	11.6	13.1	12.4	12.4	77	78	88	81	7.3	
13	14.4	14.3	12.7	10.8	9.9	9.4	10.0	76	62	72	70	7.7	
14	11.6	12.7	12.7	8.6	8.9	9.3	8.9	70	66	71	69	7.7	0.51
15	10.7	10.7	9.9	7.5	6.8	6.6	7.0	59	48	50	52	7.9	0.26
16	12.3	9.4	8.7	9.7	6.2	5.5	7.3	85	46	50	60	8.3	
17	7.9	10.1	9.1	5.8	7.1	6.9	6.6	53	58	63	58	6.8	
18	8.4	10.5	5.2	6.1	7.3	4.2	5.9	54	58	42	51	8.3	3.93
19	6.1	9.2	5.4	4.6	6.2	4.5	5.1	43	50	46	46	6.1	
20	7.2	10.4	6.9	5.3	7.5	5.0	5.9	51	59	46	52	8.3	
21	8.0	10.6	8.1	5.7	7.2	6.4	6.4	52	55	62	56	6.4	
22	8.8	10.8	9.3	6.4	7.8	7.1	7.3	56	64	65	62	8.3	
23	9.9	9.3	9.6	6.7	6.8	6.8	6.8	53	58	58	56	7.9	
24	10.4	10.4	8.2	7.8	7.3	6.5	7.2	66	58	64	63	7.6	
25	8.8	11.9	11.5	6.2	8.7	9.4	8.1	53	69	87	70	0.0	2.54
26	9.9	8.9	7.9	7.5	6.3	5.6	6.4	64	53	49	55	7.6	0.89
27	6.2	7.8	4.9	4.8	5.4	4.2	4.8	47	45	43	45	8.5	
28	5.2	8.8	6.4	5.1	6.0	4.9	5.3	46	50	48	48	6.5	
29	7.4	8.5	6.1	6.7	6.7	5.5	6.3	76	66	62	68	8.5	3.43
30	6.9	8.9	6.3	5.6	6.5	5.5	5.9	58	57	60	58	8.7	
31	7.9	10.8	8.8	6.1	8.1	6.6	6.9	58	69	62	63	2.6	
	10.55	11.88	10.14	7.65	8.31	7.57	7.86	60.0	59.4	62.2	60.6	7.21	0.37

eight of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
ry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
im of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ime of readings minus 2 hours equals G. C. T.
-year averages are for period, 1875-1924

DECEMBER 1932

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	0	0	3cu	1.0	0	0	0	130.3	light	
2	0	0	0	0.0	0	3ne	1n	354.6	stormy	
3	0	0	0	0.0	0	0	1n	293.9	light	
4	0	9st	5stcu	4.7	0	1nw	1nw	430.2	mod.	
5	9cicu	6cicu	1cicu	5.3	0	0	0	73.9	stormy	
6	9st	10ci	10ci	9.7	0	0	0	158.7	„	haze a.m.
7	2cu	2cicu	3ci	2.3	0	0	0	171.2	„	
8	1cu	1cu	0	0.7	0	1nw	0	169.7	mod.	
9	0	0	0	0.0	0	0	0	209.4	stormy	haze a.m.
10	1ci	2ci	3cicu	2.0	0	0	3sw	305.2	„	
11	1cicu	5ci	2ci	2.7	0	1w	0	303.4	mod.	
12	5cicu	5cu	2cu	4.0	0	0	0	236.0	„	hv. dew at night
13	3cu	1cu	2cu	2.0	0	0	0	225.3	„	trace of rain
14	2cu	2cu	7cu	3.7	0	2n	1n	298.3	„	
15	1cu	1cu	0	0.7	0	3ne	4se	407.2	rough	
16	0	0	0	0.0	0	2ne	2n	396.0	stormy	
17	8cicu	1ci	5cu	4.7	0	1n	1w	215.0	light	
18	6ci	2cu	0	2.7	1se	1se	1se	544.0	mod.	
19	3ci	1cu	1cu	1.7	2se	1n	1n	252.9	„	
20	2ci	1cu	2cu	1.7	1n	1nw	1nw	774.9	„	
21	1cu	7cu	1cu	3.0	1w	1w	1w	198.1	„	
22	1cu	1cu	0	0.7	0	1ne	0	460.8	light	mist a.m.
23	6cicu	1cu	1cu	2.7	0	0	0	268.2	stormy	
24	0	0	0	0.0	0	0	0	288.3	slight	
25	9cu	10ni	10ni	9.7	0	0	0	288.6	light	
26	2cu	0	0	0.7	2n	4ne	3ne	379.6	rough	
27	0	0	0	0.0	0	0	2ne	305.0	mod.	
28	0	8cu	7cu	5.0	2se	3se	2se	664.1	„	
29	3cu	5cu	1cu	3.0	0	0	1e	211.6	„	
30	1cu	1cu	1cu	1.0	1e	0	0	482.8	light	
31	10cu	3ci	0	4.3	0	0	0	126.5	„	
				2.57	0.3	0.8	0.8	311.73		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	2	0	1	3	0	0	1	0	24
14:30	3	5	0	2	0	0	2	3	16
20.30	5	1	1	3	0	1	2	2	15
Totals	10	7	2	8	0	1	5	5	55

Number of days with rain 6, fog 0, thunderstorms 0, gales 0.

50-yr average number of days with rain during month 13.4